

1) If $f(x) = 3x$ and $g(x) = -2x^2$ then $f \circ g(-3)$ equals _____.

2) Solve the system:

$$\begin{cases} -3x + 2y = 5 \\ 9x + 4y = 25 \end{cases}$$

$$\begin{aligned} 6x - 4y &= -10 \\ 9x + 4y &= 25 \\ \hline 15x &= 15 \\ x &= 1 \end{aligned}$$

$(1, 4)$

$$\begin{aligned} 9(1) + 4y &= 25 \\ 9 + 4y &= 25 \\ 4y &= 16 \\ y &= 4 \end{aligned}$$

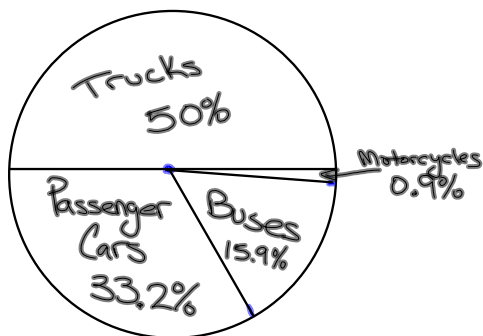
$$\begin{aligned} S(g(-3)) &= (-2(3)^2) \\ f(-18) &= 3(-18) = -54 \end{aligned}$$

Make a circle graph for the data.

5.

Motor Vehicle Registration by Type, 1994			
Passenger cars	Motorcycles	Buses	Trucks
33.2%	0.9%	15.9%	50%

$$\begin{aligned} .332(360) &= 119.52^\circ \\ .009(360) &= 3.24^\circ \\ .159(360) &= 57.24^\circ \\ .50(360) &= 180^\circ \end{aligned}$$



5 things over the weekend

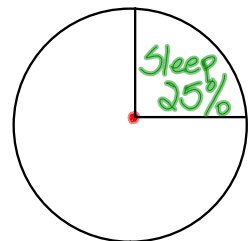
$$\text{Sleep } 25\% = .25(360) = 90^\circ$$

$$\text{eat } 7\% = .07(360)$$

$$\text{TV } 18\%$$

$$\text{play with kids } 40\%$$

$$\text{internet } 10\%$$



No HW